TEJUS
CONSULTANTS

PRECAST SLAB (CORE) TEST REPORT

Client	:	Bruhat Bangalore Mahanagara Palike
Contractor	:	Sri.Pramodh M/s Karthik Enterprises
Name of Work	:	Improvements to Road,Drain and Footpath in LKR nagara main road and cross roads in ward No.8 Kodigehalli
No.of Sample Tested	:	03
Date of Testing	:	09/11/17
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20} .250mm Thick

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	100.00	180.00	3.420	2419.16	1.80	0.960	158.20	20.14	21.75	20.88	26.10
2	100.00	180.00	3.460	2447.45	1.80	0.960	158.30	20.16	21.77	20.90	26.12
3	100.00	180.00	3.470	2454.52	1.80	0.960	158.40	20.17	21.78	20.91	26.14

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 15 days from the date of testing.

Department Engineer (AE/JE)

TEJUS CONSULTANTS

Consultant's Representative

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

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KERB STONE (CORE) TEST REPORT

	:	Bruhat Bangalore Mahanagara Palike
ctor	:	Sri.Pramodh M/s Karthik Enterprises
of Work	:	Improvements to Road,Drain and Footpath in LKR nagara main road and cross roads in ward No.8 Kodigehalli
Sample Tested	:	03
f Testing	:	09/11/2017
ical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
of Concrete	:	M_{15}

	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
	50.00	85.00	0.395	2366.73	1.70	0.960	28.45	14.49	15.65	15.02	18.78
	50.00	85.00	0.388	2324.79	1.70	0.960	28.35	14.44	15.59	14.97	18.71
	50.00	85.00	0.378	2264.87	1.70	0.960	28.50	14.51	15.68	15.05	18.81

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esults indicated above are based on the tests carried out on the samples received in the laboratory.
Query regarding the report must be reported reported within 90 days from the date of testing.

epartment Engineer (AE/JE)

TEJUS CONSULTANTS

Consultant's Representative

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

TEJUS
CONSULTANTS

Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Lottegollahalli Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	13/11/2017	19/11/2017	7 days	8.160	22500	302	13.42	13.51
2	13/11/2017	19/11/2017	7 days	8.165	22500	304	13.51	
3	13/11/2017	19/11/2017	7 days	8.170	22500	306	13.60	

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Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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CONSULTANTS

Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Lottegollahalli Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	13/11/2017	10/12/2017	28 days	8.275	22500	451	20.04	20.12
2	13/11/2017	10/12/2017	28 days	8.280	22500	453	20.13	
3	13/11/2017	10/12/2017	28 days	8.295	22500	454	20.18	

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Lottegollahalli Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	13/11/2017	19/11/2017	7 days	8.150	22500	304	13.51	13.50
2	13/11/2017	19/11/2017	7 days	8.165	22500	302	13.42	
3	13/11/2017	19/11/2017	7 days	8.100	22500	305	13.56	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

TEJUS CONSULTANTS
No 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

Yelahanka Zone,
Bangalo

TEJUS
CONSULTANTS

Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Lottegollahalli Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	13/11/2017	10/12/2017	28 days	8.285	22500	451	20.04	20.09
2	13/11/2017	10/12/2017	28 days	8.275	22500	452	20.09	
3	13/11/2017	10/12/2017	28 days	8.290	22500	453	20.13	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

TEJUS
CONSULTANTS

Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Lottegollahalli Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Fallure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	13/11/2017	19/11/2017	7 days	8.160	22500	302	13.42	13.51
2	13/11/2017	19/11/2017	7 days	8.155	22500	304	13.51	
3	13/11/2017	19/11/2017	7 days	8.165	22500	306	13.60	

Assistant Executive Engineer,
Yelahanka Zone, B.B.M.P.
Kodigehalli Sub Division,
Bangalore.

TEJUS CONSULTANTS

TEJUS CONSULTANTS
No. 68, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

TEJUS
CONSULTANTS

Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Lottegollahalli Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	13/11/2017	10/12/2017	28 days	8.250	22500	452	20.09	20.13
2	13/11/2017	10/12/2017	28 days	8.255	22500	453	20.13	
3	13/11/2017	10/12/2017	28 days	8.275	22500	454	20.18	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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PRECAST SLAB (CORE) TEST REPORT

	:	Bruhat Bangalore Mahanagara Palike
ot	:	Sri.Pramodh M/s Karthik Enterprises
Work	:	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
mple Tested	:	03
Testing	:	15/11/2017
al Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
f Concrete	:	M_{20} - 250mm Thick

Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
100.00	180.00	3.450	2440.38	1.80	0.960	158.00	20.12	21.73	20.86	26.07
100.00	180.00	3.460	2447.45	1.80	0.960	158.20	20.14	21.75	20.88	26.10
100.00	180.00	3.430	2426.23	1.80	0.960	158.30	20.16	21.77	20.90	26.12

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partment Engineer (AE/JE)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bengalore.

TEJUS CONSULTANTS
Consultant's Representative

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

TEJUS
CONSULTANTS

KERB STONE (CORE) TEST REPORT

	:	Bruhat Bangalore Mahanagara Palike
	:	Sri.Pramodh M/s Karthik Enterprises
	:	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Tested	:	03
g	:	15/11/2017
ference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
rete	:	M_{15}

a of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
50.00	85.00	0.365	2186.98	1.70	0.960	28.70	14.62	15.79	15.15	18.94
50.00	85.00	0.368	2204.95	1.70	0.960	28.60	14.57	15.73	15.10	18.88
50.00	85.00	0.364	2180.98	1.70	0.960	28.30	14.41	15.57	14.94	18.68

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rtment Engineer (AE/JE) 11.58

Consultant's Representative

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079. O : +91 80 23287532. tejusconsultants@gmail.com

TEJUS
CONSULTANTS

Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Devinagar Main Road and Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Devinagar Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	18/11/2017	24/11/2017	7 days	8.150	22500	308	13.69	13.70
2	18/11/2017	24/11/2017	7 days	8.200	22500	307	13.64	
3	18/11/2017	24/11/2017	7 days	8.125	22500	310	13.78	

TEJUS CONSULTANTS

Assistant Executive Engineer.
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

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CONSULTANTS

Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Devinagar Main Road and Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Devinagar Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	18/11/2017	15/12/2017	28 days	8.300	22500	451	20.04	20.04
2	18/11/2017	15/12/2017	28 days	8.285	22500	450	20.00	
3	18/11/2017	15/12/2017	28 days	8.295	22500	452	20.09	

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

TEJUS CONSULTANTS
No.56, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079. ☎ : +91 80 23287532, tejusconsultants@gmail.com

TEJUS
CONSULTANTS

Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Devinagar Main Road and Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Devinagar Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	18/11/2017	24/11/2017	7 days	8.150	22500	310	13.78	13.85
2	18/11/2017	24/11/2017	7 days	8.200	22500	312	13.87	
3	18/11/2017	24/11/2017	7 days	8.100	22500	313	13.91	

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079. O : +91 80 23287532, tejusconsultants@gmail.com

TEJUS
CONSULTANTS

Test report on Compressive strength of concrete cubes

Project	Improvements to Road,Drain and Footpath in Devinagar Main Road and Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Devinagar Main Road
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	18/11/2017	15/12/2017	28 days	8.285	22500	452	20.09	20.13
2	18/11/2017	15/12/2017	28 days	8.300	22500	453	20.13	
3	18/11/2017	15/12/2017	28 days	8.275	22500	454	20.18	

TEJUS CONSULTANTS

JSH·08

Assistant Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

TEJUS
CONSULTANTS

PRECAST SLAB (CORE) TEST REPORT

	:	Bruhat Bangalore Mahanagara Palike
or	:	Sri.Pramodh M/s Karthik Enterprises
Work	:	Improvements to Road,Drain and Footpath in Devinagar Main Road and Cross Roads in Ward No.8, Kodigehalli
mple Tested	:	03
Testing	:	20/11/2017
cal Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
f Concrete	:	M_{20} , 100mm thick

	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
	50.00	80.00	0.385	2450.99	1.60	0.960	37.30	19.00	20.52	19.70	24.62
	50.00	80.00	0.380	2419.16	1.60	0.960	37.20	18.95	20.46	19.64	24.55
	50.00	80.00	0.390	2482.82	1.60	0.960	37.40	19.05	20.57	19.75	24.69

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TEJUS CONSULTANTS

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Consultant's Representative

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com